X-Sender: ronott@goldeneye
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Date: Fri, 10 Jul 1998 13:35:30 -0700
To: fishteam@water.ca.gov
From: Ron Ott <ronott@water.ca.gov>
Subject: REOPERATION STUDIES

>Date: Fri, 10 Jul 1998 11:10:09 -0700
>From: Elise Holland <eholland@bay.org>
>Reply-To: eholland@bay.org
>Organization: The Bay Institute
>X-Mailer: Mozilla 3.04 (Macintosh; I; 68K)
>To: Ron Ott <ronott@water.ca.gov>
>Subject: REOPERATION STUDIES
>
>RON - PLEASE SEND TO THE DEFT AND TELL THEM TO PLEASE DISREGARD THE
>EARLIER MESSAGE -- THIS IS THE CORRECT ONE.SORRY FOR THE CONFUSION.
>
>
>Folks-
>
>As was mentioned at the end of yesterday's meeting, certain stakeholders
>have been doing a set of reoperation runs. The Bay Institute has been
>involved in an effort, along with several other organizations, to
>explore possibility of continuing to meet existing demand, while
>providing improved fisheries protection, by optimizing the exisiting
>Delta configuration, and then utilizing additional tools such as
>conjunctive use, transfers, additional groundwater storage, conservation
>and efficiency measures, etc.
>
>As a first step in our efforts to test this hypothesis we have done an
>initital set of reoperation runs that uses flexibility in response to
>sensitive periods. For example, the typical early filling of San Luis
>puts certain species at risk and often leaves the projects unable to
>move available water later in the winter when flows are higher and
>subsequently when there may be less risk of adverse impact to aquatic
>resources.
>
>We have completed an initial set of analyses the results of which I will
>(hopefully) be able to provide to the group at next week's meeting.
>Briefly, the analyses use CalFed's base case Study 516, which does not
>reflect exisiting conditions but rather 2020 LOD which we take issue
>with, and build in the following conditions. (We have aksed CalFed to do
>similar runs.)
>
>* Reduce (40% and 50% E/I ratio) fall-winter pumping (October -
>December) delaying the filling of San Luis.
>* Extend VAMP for 1 month (May 15 - June 15) to better cover the
>outmigration period of San Joaquin salmon.
>* Reoperate reservoirs to allow ability to move water north to south
>during the summer - fall period.
>* Expand SWP capacity to take advantage of high flow periods.
>
>
>Our preliminary results indicate that despite the fact that in some
>years there may be limited opportunity for the projects to recover from
>imposed delivery impacts in the fall, other operational flexibility
>tools incorporated into the model allow for significant make-up
>possibilities. Our preliminary analyses indicate that supply impacts
>can be avoided (relative to the base case) when SWP capacity is
>increased. However, as you might imagine, increasing capacity at SWP
>does not always improve delivery capability. In wetter years demand may
>low enough that the existing export capacity is sufficient to meet
>demand. In the drier years, however, the benefits are accentuated. The
>benefits may or may not hold during extended dry periods or in critical
>period runs, yet in the isolated dry periods when the windows of surplus
>are short the extra capacity may help considerably.

D-011129

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>Elise
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Ron Ott
CALFED Bay-Delta Program
1416 Ninth Street, Suite 1155
Sacramento, CA 95814
Ph: (916) 657-3319
Fax: (916) 654-9780
e-mail: ronott@water.ca.gov

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